OIPE

```
        RAW SEQUENCE LISTING              DATE: 11/06/2001
        PATENT APPLICATION:  US/09/905,370    TIME: 12:15:46

            Input Set : A:\PF0802USSEQLIST.txt
            Output Set: N:\CRF3\11062001\I905370.raw
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   2 <110> APPLICANT: LAL, Preeti
   3        AZIMZAI, Yalda
   4        TANG, Y. Tom
   6 <120> TITLE OF INVENTION: CYTOCHROME P450 VARIANT
   8 <130> FILE REFERENCE: PF-0802 US
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/905,370
C--> 11 <141> CURRENT FILING DATE: 2001-10-15
  13 <150> PRIOR APPLICATION NUMBER: 60/218,934
  14 <151> PRIOR FILING DATE: 2000-07-14
  16 <160> NUMBER OF SEQ ID NOS: 2
  17 <170> SOFTWARE: PERL Program
  19 <210> SEQ ID NO: 1
  20 <211> LENGTH: 504
  21 <212> TYPE: PRT
  22 <213> ORGANISM: Homo sapiens
  24 <220> FEATURE:
  25 <221> NAME/KEY: misc_feature
  26 <223> OTHER INFORMATION: Incyte ID No: 2515666CD1
  28 <400> SEQUENCE: 1
  29 Met Ala Leu Ser Gln Ser Val Pro Phe Ser Ala Thr Glu Leu Leu
  30   1             5                 10                15
  31 Leu Ala Ser Ala Ile Phe Cys Leu Val Phe Trp Val Leu Lys Gly
  32               20                25                30
  33 Leu Arg Pro Arg Val Pro Lys Gly Leu Lys Ser Pro Pro Gln Pro
  34               35                40                45
  35 Trp Gly Trp Pro Leu Leu Gly His Val Leu Thr Leu Gly Lys Asn
  36               50                55                60
  37 Pro His Leu Ala Leu Ser Arg Met Ser Gln Arg Tyr Gly Asp Val
  38               65                70                75
  39 Leu Gln Ile Arg Ile Gly Ser Thr Pro Val Leu Val Leu Ser Arg
  40               80                85                90
  41 Leu Asp Thr Ile Arg Gln Ala Leu Val Arg Gln Gly Asp Asp Phe
  42               95               100               105
  43 Lys Gly Arg Pro Asp Leu Tyr Thr Ser Thr Leu Ile Thr Asp Gly
  44              110               115               120
  45 Gln Ser Leu Thr Phe Ser Thr Asp Ser Gly Pro Val Trp Ala Ala
  46              125               130               135
  47 Arg Arg Arg Leu Ala Gln Asn Ala Leu Asn Thr Phe Ser Ile Ala
  48              140               145               150
  49 Ser Asp Pro Ala Ser Ser Ser Ser Cys Tyr Leu Glu Glu His Val
  50              155               160               165
  51 Ser Lys Glu Ala Lys Ala Leu Ile Ser Arg Leu Gln Glu Leu Met
  52              170               175               180
  53 Ala Gly Pro Gly His Phe Asp Pro Tyr Asn Gln Val Val Val Ser
  54              185               190               195
  55 Val Ala Asn Val Ile Gly Ala Met Cys Phe Gly Gln His Phe Pro
  56              200               205               210
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ENTERED

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Output Set: N:\CRF3\11062001\I905370.raw

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57 Glu Ser Ser Asp Glu Met Leu Ser Leu Val Lys Asn Thr His Glu
58               215               220               225
59 Phe Val Glu Thr Ala Ser Ser Gly Asn Pro Leu Asp Phe Phe Pro
60               230               235               240
61 Ile Leu Arg Tyr Leu Pro Asn Pro Ala Leu Gln Arg Phe Lys Ala
62               245               250               255
63 Phe Asn Gln Arg Phe Leu Trp Phe Leu Gln Lys Thr Val Gln Glu
64               260               265               270
65 His Tyr Gln Asp Phe Asp Lys His Ser Lys Lys Gly Pro Arg Ala
66               275               280               285
67 Ser Gly Asn Leu Ile Pro Gln Glu Lys Ile Val Asn Leu Val Asn
68               290               295               300
69 Asp Ile Phe Gly Ala Gly Phe Asp Thr Val Thr Thr Ala Ile Ser
70               305               310               315
71 Trp Ser Leu Met Tyr Leu Val Thr Lys Pro Glu Ile Gln Arg Lys
72               320               325               330
73 Ile Gln Lys Glu Leu Asp Thr Val Ile Gly Arg Glu Arg Arg Pro
74               335               340               345
75 Arg Leu Ser Asp Arg Pro Gln Leu Pro Tyr Leu Glu Ala Phe Ile
76               350               355               360
77 Leu Glu Thr Phe Arg His Ser Ser Phe Leu Pro Phe Thr Ile Pro
78               365               370               375
79 His Ser Thr Thr Arg Asp Thr Thr Leu Asn Gly Phe Tyr Ile Pro
80               380               385               390
81 Lys Lys Cys Cys Val Phe Val Asn Gln Trp Gln Val Asn His Asp
82               395               400               405
83 Pro Glu Leu Trp Glu Asp Pro Ser Glu Phe Arg Pro Glu Arg Phe
84               410               415               420
85 Leu Thr Ala Asp Gly Thr Ala Ile Asn Lys Pro Leu Ser Glu Lys
86               425               430               435
87 Met Met Leu Phe Gly Met Gly Lys Arg Arg Cys Ile Gly Glu Val
88               440               445               450
89 Leu Ala Lys Trp Glu Ile Phe Leu Phe Leu Ala Ile Leu Leu Gln
90               455               460               465
91 Gln Leu Glu Phe Ser Val Pro Pro Gly Val Lys Val Asp Leu Thr
92               470               475               480
93 Pro Ile Tyr Gly Leu Thr Met Lys His Ala Arg Cys Glu His Val
94               485               490               495
95 Gln Ala Arg Leu Arg Phe Ser Ile Asn
96               500
98 <210> SEQ ID NO: 2
99 <211> LENGTH: 1790
100 <212> TYPE: DNA
101 <213> ORGANISM: Homo sapiens
103 <220> FEATURE:
104 <221> NAME/KEY: misc_feature
105 <223> OTHER INFORMATION: Incyte ID No: 2515666CB1
107 <400> SEQUENCE: 2
108 cagccattac aaccctgcca atctcaagca cctgcctcta cagttggtac agatggcatt 60
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/905,370

DATE: 11/06/2001
TIME: 12:15:46

Input Set : A:\PF0802USSEQLIST.txt
Output Set: N:\CRF3\11062001\I905370.raw

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109 gtcccagtct gttcccttct cggccacaga gcttctcctg gcctctgcca tcttctgcct 120
110 ggtattctgg gtgctcaagg gtttgaggcc tcgggtcccc aaaggcctga aaagtccacc 180
111 acagccatgg ggctggccct tgctcgggca tgtgctgacc ctggggaaga acccgcacct 240
112 ggcactgtca aggatgagcc agcgctacgg ggacgtcctg cagatccgca ttggctccac 300
113 gcccgtgctg gtgctgagcc gcctggacac catccggcag gccctggtgc ggcagggcga 360
114 cgatttcaag ggccggcctg acctctacac ctccaccctc atcactgatg gccagagctt 420
115 gaccttcagc acagactctg gaccggtgtg ggctgcccgc cggcgcctgg cccagaatgc 480
116 cctcaacacc ttctccatcg cctctgaccc agcttcctca tcctcctgct acctggagga 540
117 gcatgtgagc aaggaggcta aggccctgat cagcaggttg caggagctga tggcagggcc 600
118 tgggcacttc gacccttaca atcaggtggt ggtgtcagtg gccaacgtca ttggtgccat 660
119 gtgcttcgga cagcacttcc ctgagagtag cgatgagatg ctcagcctcg tgaagaacac 720
120 tcatgagttc gtggagactg cctcctccgg gaaccccctg gacttcttcc ccatccttcg 780
121 ctacctgcct aaccctgccc tgcagaggtt caaggccttc aaccagaggt tcctgtggtt 840
122 cctgcagaaa acagtccagg agcactatca ggactttgac aagcacagca agaaggggcc 900
123 tagagccagc ggcaacctca tcccacagga gaagattgtc aaccttgtca atgacatctt 960
124 tggagcagga tttgacacag tcaccacagc catctcctgg agcctcatgt accttgtgac 1020
125 caagcctgag atacagagga agatccagaa ggagctggac actgtgattg gcagggagcg 1080
126 gcggccccgg ctctctgaca gacCccagct gCcctacttg gaggccttca tcctggagac 1140
127 cttccgacac tcctccttct tgcccttcac catcccccac agcacaacaa gggacacaac 1200
128 gctgaatggc ttctacatcc ccaagaaatg ctgtgtcttc gtaaaccagt ggcaggtcaa 1260
129 ccatgacccca gagctgtggg aggacccctc tgagttccgg cctgagcggt tcctcaccgc 1320
130 cgatggcact gccattaaca agcccttgag tgagaagatg atgctgtttg gcatgggcaa 1380
131 gcgccggtgt atcggggaag tcctggccaa gtgggagatc ttcctcttcc tggccatcct 1440
132 gctacagcaa ctggagttca gcgtgccgcc gggcgtgaaa gtcgacctga cccccatcta 1500
133 cgggctgacc atgaagcacg cccgctgtga acatgtccag gcgcggctgc gcttctccat 1560
134 caactgaaga agacaccacc attctgaggc cagggagcga gtgggggcca gccacgggga 1620
135 ctcagccctt gtttctcttc ctttctttt ttaaaaaata gcagctttag ccaagtgcag 1680
136 ggcctgtaat cccagcattt tgggaggcca aggttggagg atcatttgag cccaggagtt 1740
137 ggaaagcagc ctggccaaca tagtgggacc ctgtctctac aaaaaaaaaa      1790
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VERIFICATION SUMMARY   DATE: 11/06/2001
PATENT APPLICATION: US/09/905,370   TIME: 12:15:47

Input Set : A:\PF0802USSEQLIST.txt
Output Set: N:\CRF3\11062001\I905370.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date